

re-run

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/765,700
Source: FWO
Date Processed by STIC: 8/31/04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700

TIME: 15:34:23

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

1 <110> APPLICANT: Loring, Jeanne F.
 2 Tingley, Debora W.
 3 Edwards, Carla M.
 4 <120> TITLE OF INVENTION: GENES EXPRESSED IN ALZHEIMER'S DISEASE
 5 <130> FILE REFERENCE: PA-0024 US
 6 <140> CURRENT APPLICATION NUMBER: US/10/765,700
 7 <141> CURRENT FILING DATE: 2004-01-26
 8 <150> PRIOR APPLICATION NUMBER: US/09/566,921
 9 <151> PRIOR FILING DATE: 2000-05-05
 10 <160> NUMBER OF SEQ ID NOS: 138
 11 <170> SOFTWARE: PERL Program
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 880
 15 <212> TYPE: DNA
 16 <213> ORGANISM: Homo sapiens
 17 <220> FEATURE:
 18 <221> NAME/KEY: misc_feature
 19 <223> OTHER INFORMATION: Incyte ID No: 997264.12
 20 <400> SEQUENCE: 1
 21 cgttcgcagc gctacccttt tccgctccac ggtgacctcc gtgcggccgg gtgccggggcg 60
 22 gagtcttctt cgatcccgtg gtgctcccg ggcggcccg tggctctctt ccggtcgcgg 120
 23 ggacaccggg tgtagagggc ggtcgcggcg ggcagtgggc gcagaatgtt ggctaccagg 180
 24 gtatttagcc tagttggcaa gcgagcaatt tccacctctg tgtgtgtacg agtcatgaa 240
 25 agtgttgtga agagcgaaga cttttcgctc ccagcttata tggatcggcg tgaccacccc 300
 26 ttgccggagg tggcccatgt caagcacctg tctgccagcc agaaggcact gaaggagaag 360
 27 gagaaggcct cctggagcag cctctccatg gatgagaaag tgcagttgta tgcattaag 420
 28 ttcaaggaga gctttgctga gatgaacagg ggctcgaac agtggaagac ggttgtgggc 480
 29 ggtgccatgt tcttcacggtg tttcaccgcy ctcgttatca tgtggcagaa gcactatgtg 540
 30 tacggccccc tcccgcgaag ctttgacaaa gagggggtgg ccaagcagac caagaggatg 600
 31 ctggacatga aggtgaaccc catccagggc ttagcctcca agtgggacta cgaaaagaac 660
 32 gagggaaga agtgagagat gctggcctgc gcctgcacct gcgcctggct ctgtcaccgc 720
 33 catgcaactc catgcctatt tactggaaac ctgttatgcc aaacagttgt accactgcta 780
 34 ataatgacc agtttacctg aaaaaaaaaa ccaaatggg gaagaaaaaa cttcggacaa 840
 35 agaaggaagt gcgagaagaa gcccatgtgg agccgctcct 880
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 1039
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Homo sapiens
 41 <220> FEATURE:
 42 <221> NAME/KEY: misc_feature
 43 <223> OTHER INFORMATION: Incyte ID No: 998433.2
 44 <400> SEQUENCE: 2
 45 cttagtcgcy ggctgactgg tgtttatecg tcaactcgcc aggttccttg ggtcatggcg 60

pp 6-7

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700

TIME: 15:34:23

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

```

46 ccagcctgac tgagaagagg acgctcccg gagacgaatg aggaaccacc tcctcctact 120
47 gttcaagtac aggggcctgg tccgcaaagg gaagaaaagc aaaagacgaa aatggctaaa 180
48 ttcgtgatcc gccagccac tgcgcgcgac tgcagtgaca tactgcggt gatcaaggag 240
49 ctggctaaat atgaatacat ggaagaacaa gtaatcttaa ctgaaaaaga tctgctagaa 300
50 gatggttttg gagagcacc cttttaccac tgccctgggtg cagaagtgcc gaaagagcac 360
51 tggactccgg aaggacacag cattgttggt tttgccatgt actattttac ctatgaccgc 420
52 tggattggca agttattgta tcttgaggac ttcttcgtga tgagtgatta tagaggcttt 480
53 ggcataggat cagaaattct gaagaatcta agccagggtg caatgagggtg tcgctgcagc 540
54 agcatgcact tcttggtagc agaatggaat gaaccatcca tcaacttcta taaaagaaga 600
55 ggtgcttctg atctgtccag tgaagagggt tggagactgt tcaagatcga caaggagtac 660
56 ttgctaaaaa tggcaacaga ggagtgagga gtgctgctgt agatgacaac ctccattcta 720
57 ttttagaata aattcccaac ttctcttgct ttctatgctg tttgtagtga aataatagaa 780
58 tgagcaccca ttccaaagct ttattaccag tggcggtggt gcatgtttga aatgagggtc 840
59 gtttaaagtg gcaatctcag atgcagtttg gagagtcaga tctttctcct tgaatatctt 900
60 tcgataaaca acaaggtggt gtgatcttaa tatatttgaa aaaaacttca ttctcgtgag 960
61 tcatttaaat gtgtacaatg tacacactgg tacttagagt ttctgtttga ttctttttta 1020
62 ataaactact ctttgattt                                     1039

```

64 <210> SEQ ID NO: 3

65 <211> LENGTH: 2666

66 <212> TYPE: DNA

67 <213> ORGANISM: Homo sapiens

68 <220> FEATURE:

69 <221> NAME/KEY: misc_feature

70 <223> OTHER INFORMATION: Incyte ID No: 232838.13

71 <400> SEQUENCE: 3

```

72 gccatctttc cagcctcagt cggacggggc cggagacgct tctggaagga acgccgcgat 60
73 ggctgcgcag ggagagcccc aggtccagtt caaagtaggt aaccctgcgg ggcgggagggc 120
74 ggccgagccc gaccgcgtgc gactcgcggg tccctcctcc tggggccacg atggctgtaa 180
75 tggggccccg catccacatt ctttgtttta agtgagcctg tgggtggtta agttccgtga 240
76 ctctgggatc ttgagagggtg aagtgtttag ggtttacttc caaaatgtgt ttttcaacag 300
77 cttgtattgg ttggtgatgg tggtagtga aaaacgacct tcgtgaaacg tcatttgact 360
78 ggtgaatttg agaagaagta tgtagccacc ttgggtggtg aggttcaccc cctagtgttc 420
79 cacaccaaca gaggacctat taagttcaat gtatgggaca cagccggcca ggagaaattc 480
80 ggtggactga gagatggcta ttatatcaa gccagtggtg ccatcataat gtttgatgta 540
81 acatcgagag ttacttacia gaatgtgcct aactggcata gagatctggt acgagtgtgt 600
82 gaaaacatcc ccattgtggt gtgtggcaac aaagtggata ttaaggacag gaaagtgaag 660
83 gcgaaatcca ttgtcttcca ccgaaagaag aatcttcagt actacgacat ttctgccaaa 720
84 agtaactaca actttgaaaa gcccttcctc tggcttgcta ggaagctcat tggagaccct 780
85 aacttggaat ttgttgccat gcctgctctc gccccaccag aagttgtcat ggaccagct 840
86 ttggcagcac agtatgagca cgacttagag gttgctcaga caactgctct cccggatgag 900
87 gatgatgacc tgtgagaatg aagctggagc ccagcgtcag aagtctagtt ttataggcag 960
88 ctgtcctgtg atgtcagcgg tgcagcgtgt gtgccacctc attattatct agctaagcgg 1020
89 aacatgtgct tcactgtggt gatgctgaag gagatgagtg ggcttcggag tgaatgtggc 1080
90 agtttaaaaa ataacttcat tgtttgagac tgcataattt gctgttttgg aacgcagttg 1140
91 attccttgag ttcatatat aagactgctg cagtcacatc acaatattca gtggtgaaat 1200
92 cttgtttggt actgtcattc ccattccttt tcgtttagaa tcagaataaa gttgtatttc 1260
93 aaatatctaa gcaagtgaac tcatcccttg ttataaata gcatttgga accactaaag 1320
94 tagggaagtt ttatgccatg ttaatatttg aattgccttg cttttatcac ttaatttgaa 1380
95 atctattggg ttaatttctc cctatgttta tttttgtaca tttgagccat gtcacacaaa 1440

```

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700

TIME: 15:34:23

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

```

96      ctgatgatga caggtcagca gtattctatt tggttagaag ggttacatgg tgtaaatatt 1500
97      agtgcagtta agctaaagca gtgtttgctc caccttcata ttggctaggt agggtcacct 1560
98      agggaagcac ttgctcaaaa tctgtgacct gtcagaataa aaatgtgggt tgtacatatc 1620
99      aaatagatat tttaagggtta atattttctt ttatggcaaa agtaatcatg ttttaatgta 1680
100     gaacctcaaa caggatggaa catcagtggg tggcaggagg ttgggaattc ttgctgttaa 1740
101     aaataattac aaattttgca cttttttgtt tgaatgttag atgcttagtg tgaagttgat 1800
102     acgcaaggaa aatggtccat gtttaccac agttttcagg tactcctaga ctttaaagat 1860
103     gtcttgaaca tttaagtctc tcagcagttc acactacacc gtttttttgt tgttttttcc 1920
104     cccccgggag ggtttttttg tagggcagca cagcagagca ggacatggat gaaatactag 1980
105     gaatatgcac agtggggcag tgtgggggct tctcagtaat ggagaacagt tggtgaaact 2040
106     tttttttttt tttaactaag catttaattt atcttgcata ttttccacat ttaaaaatga 2100
107     attaggtcta ttaggataat taggagtttg atcccatcaa cactattctt gtagcagtta 2160
108     ggaatcttga gctatttttt tctcatacga ttactatagt ccagtttacc aaagttttct 2220
109     ttagatgtct gataatcttg agatgattgc ttaccttaaa aggtatagaa aggatcactt 2280
110     aaatatatgg aaaaatgaaa taagggtgaa gctgaataaa gttctactta ctgtattaac 2340
111     tggcaacagt tgagtttctt aagatctgaa ttgctgtgta tgttacgctg tattcagaac 2400
112     cagtttctaa ccagcctgtg agatgggaag ttttttcccc ataattggga tgaaaccttt 2460
113     cattcaggtta ttttgaattg aagggtgatg tgttgtttgt aaccttgttg agattgcaag 2520
114     tgggtgttgac attctggatc ttctatgtaa cagttgaaat ttggaagtga cgtcacttac 2580
115     ctgtctaacg tgggtgtggga gagaatttac aagtccttta ttgaaagaat aattgttgca 2640
116     aaatatattg cttctacttt gcctgg      2666

```

118 <210> SEQ ID NO: 4

119 <211> LENGTH: 4626

120 <212> TYPE: DNA

121 <213> ORGANISM: Homo sapiens

122 <220> FEATURE:

123 <221> NAME/KEY: misc_feature

124 <223> OTHER INFORMATION: Incyte ID No: 350407.1

125 <220> FEATURE:

126 <221> NAME/KEY: unsure

127 <222> LOCATION: 4607

128 <223> OTHER INFORMATION: a, t, c, g, or other

129 <400> SEQUENCE: 4

```

130     ggggggagcc ttagtcattt ccccgctcca gctgtctccc gcccgagcgc gcaactcacgg 60
131     ccgctctccc tctctgctcc gcagccgagg ccatggagc ccgcccggcc ggccccgggc 120
132     cgctcgggac cgtgctctg cctgtctgct gcccgctcct gcgcctggtc aggagtggcg 180
133     ggtgaggagg agctgcaggt gattcagcct gacaagtcct tgttggttgc agctggagag 240
134     acagccactc tgcgctgcac tgcgacctct ctgatccctg tggggcccat ccagtgggtc 300
135     agaggagctg gaccaggccg ggaattaatc tacaatcaaa aagaaggcca cttccccggg 360
136     gtaacaactg ttccagacct cacaagaga aacaacatgg acttttccat ccgcatcggt 420
137     aacatcacc cagcagatgc cggcacctac tactgtgtga agttccggaa agggagcccc 480
138     gatgacacgg agtttaagtc tggagcaggc actgagctgt ctgtgctgtc caaacctct 540
139     gccccgtgg tatcgggccc tgcggcgagg gccacacctc agcacacagt gagcttcacc 600
140     tgcgagtcac acggcttctc acccagagac atcacctga aatggttcaa aaatgggaat 660
141     gagctctcag acttcagac caacgtggac ccgtaggag agagcgtgtc ctacagcatc 720
142     cacagcacag ccaaggtggg gctgaccgcg gaggacgttc actctcaagt catctgcgag 780
143     gtggcccacg tcaccttgca gggggaccct ctctgtggga ctgccaactt gtctgagacc 840
144     atccgagttc caccacctt ggaggttact caacagcccg tgagggcgaga gaaccaggtg 900
145     aatgtcacct gccaggtgag gaagttctac cccagagac tacagctgac ctggttggag 960

```

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700

TIME: 15:34:23

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

```

146 aatggaaacg tgtcccggac agaaacggcc tcaaccgtta cagagaacaa ggatgggtacc 1020
147 tacaactgga tgagctggct cctggtgaat gtatctgccc acagggatga tgtgaagctc 1080
148 acctgccagg tggagcatga cgggcagcca gcggtcagca aaagccatga cctgaaggctc 1140
149 tcagcccacc cgaaggagca gggctcaa ataccgctg agaactctgg atctaataaa 1200
150 cggaacatct atattgtggt ggggtgtggtg tgcaccttgc tgggtggccct actgatggcg 1260
151 gccctctacc tcgtccgaat cagacagaag aaagcccagg gctccacttc ttctacaagg 1320
152 ttgcatgagc ccgagaagaa tgccagagaa ataacacagg acacaaatga tatcacatat 1380
153 gcagacctga acctgccc aa ggggaagaag cctgctcccc aggctgcgga gcccaacaac 1440
154 cacacggagt atgccagcat tcagaccagc ccgcagcccg cgtcggagga caccctcacc 1500
155 tatgctgacc tggacatggt ccacctcaac cggaccccc aagcagccggc cccaagcct 1560
156 gagccgtcct tctcagagta cgcagcgtc caggtcccga ggaagtgaat gggaccgtgg 1620
157 tttgctctag caccatctc tacgcgcttt cttgtcccac agggagccgc cgtgatgagc 1680
158 acagccaacc cagttcccgg agggctgggg cgggtgcaggc tctgggaccc agggggccagg 1740
159 gtggtctctc tctcccacc cctccttggc tctccagcac ttcctgggca gccacggccc 1800
160 cctcccccca cattgccaca tacctggagg ctgacgttgc caaacagcc agggaaacca 1860
161 cctgggaagt ggccagaact tcttggggtc caagaactct tgtgctccg tccatcacca 1920
162 tgtgggtttt gaagaccctc gactgctctc ccgatgctcc gaagcctgat cttccagggt 1980
163 ggggaggaga aaatcccacc tcccctgacc tccaccacct ccacacacac acaccacaca 2040
164 ccaccactac caccaccacc caactggggc tagagtgggg aagatttccc ctttagatca 2100
165 aactgccctc tccatggaaa agctggaaaa aaactctgga acccatatcc aggtctgggtg 2160
166 aggttgctgc caacagtcct ggccctcccc atccctaggc taaagagcca tgagtccctgg 2220
167 aggaggagag gaccctccc aaaggactgg agacaaaacc ctctgcttcc ttgggtccct 2280
168 ccaagactcc ctggggccca actgtgttgc tccaccgga cccatctctc cttctagac 2340
169 ctgagcttgc cctccagct agcactaagc aacatctcgc tgtggacgcc tgtaaattac 2400
170 tgagaaatgt gaaacgtgca atcttgaaac tgaggtgtta gaaaacttga tctgtggtgt 2460
171 tttgttttgt ttttttctt aaaacaacag caactgtatc ttggctgtct gtcagtgtgt 2520
172 gaagtccatg gttgggtctt gtgaagtctg aggtttaaca gtttgttgc ctggagggat 2580
173 tttcttacag cgaagacttg agttctcca agtcccagaa cccaagaat gggcaagaag 2640
174 gatcaggcca gccactccct ggagacacag cttctggct gggactgact tggccatgtt 2700
175 ctgagctgag ccacgcggct ggtagtgcag cttctgtga ccccgctgtg gtaagtccag 2760
176 cctgccagg gctgctgagg gctgctctt gacagtgcag tcttatcgag acccaacgcc 2820
177 tcagtctgct catccgtaaa gtggggatag tgaagatgac accctcccc accactctc 2880
178 ataagcactt taggaacaca cagagggtag ggatagtggc cctggccgtc taccctacc 2940
179 ctttagtgac cgcacctc cggctttct gagctgatcc ttgaagaaga aatcttccat 3000
180 ttctgctctc aaacctact gggatcaaac tggataaat tgaagacagc caggggggatg 3060
181 gtgcagctgt gaagctcggg ctgattcccc ctctgtccc gaaggttggc cagaggggtgt 3120
182 gaccagttta cctttaacc cccaccttc cagtgggtg tgaggccctg accgggcca 3180
183 gggcaagcag atgtcgcaag ccctatttat tcagtcttca ctataactct tagagttgag 3240
184 acgctaattg tcatgactcc tggccttggg atgccaagg gatttctggc tcaggctgta 3300
185 aaagtagctg agccatcctg cccattcctg gaggtcctac aggtgaaact gcaggagctc 3360
186 agcatagacc cagctctctg ggggatggtc acctggtgat ttcaatgatg gcatccagga 3420
187 attagctgag ccaacagacc atgtggacag ctttggccag agctcccggt tggcatctgg 3480
188 gagccacagt gaccagcca cctggctcag gctagtcca aattccaaa gattggcttg 3540
189 taaaccttcg tctccctctc ttttaccag agacagcaca tacgtgtgca cagcatgca 3600
190 cacacacatt cagtatttta aaagaatgtt ttcttgggtc cattttcatt ttattttatt 3660
191 ttttaattct tggaggggga aataaggga taaggccaag gaagatgtat agctttagct 3720
192 ttagcctggc aacctggaga atccacatac cttgtgtatt gaacccagg aaaaggaaga 3780
193 ggtcgaacca acctgcgga aggagcatgg tttcaggagt ttattttaag actgctggga 3840
194 aggaaacagg cccattttg tatatagttg caacttaaac ttttggctt gcaaatatt 3900

```

RAW SEQUENCE LISTING

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700.

TIME: 15:34:23

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

```

195      tttgtaataa agatttctgg gtaataatga gtccttccgg tgttcagtat tcttgtcttt 3960
196      gtgagtgcgt cccggggccg cctcggggcc tgctgcct cctgccaaag cctggaagag 4020
197      gattgaatgg accccagggg ttggaaacaa cctacagcat ttgagccct cacgtagggt 4080
198      ttagagacgt acaatttttg tttgcctgg ctcagaagga gccggtgtaa ggttgagata 4140
199      aaattccata tagacaactg agtttggatc tcggctctgc tgctttgtag ctgtgggagt 4200
200      tcaaacagca cctctttgag acttggggcc cgcgtcggca caatggggca ggaatagtc 4260
201      ctgccagggt gactgtgtgg attcaaggag gttggaagca ctgagccac gcttggcact 4320
202      gggtaggcca tcaactgaggc ttgtgtcttt ccttctgcc ctgacctgc atagctgagt 4380
203      ctcgtggcct ctcaccactg atgggatctc ggacacccgg ctcacctcc tctggggcc 4440
204      tcactttcct tccccaccaa atgcagacat ctaatgcttg tctgtataa tcttgccag 4500
205      atgactgatg tcaagtgtg gtttatagtg ggtgtcaat aaatgttagt ttctttcta 4560
W--> 206      tccctccatt agatcattaa tgatattagt ggtaattatg taataangtt aaggcataaa 4620
207      tatgtc 4626
209 <210> SEQ ID NO: 5
210 <211> LENGTH: 3637
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
213 <220> FEATURE:
214 <221> NAME/KEY: misc_feature
215 <223> OTHER INFORMATION: Incyte ID No: 350454.2
216 <400> SEQUENCE: 5
217      cagccctctt ggcaggctcc cgcagcgtc gctgcggctc cggcccgga gcgagcgccc 60
218      ggagctcgga aagatgcggc gccgcggcg gcctgggggt ctcggggat ccgggggtct 120
219      ccggtgctc ctctgcctcc tgetgctgag cagccgcccg gggggctgca gcgcggttag 180
220      tgccacggc tgtctatttg accgcaggct ctgctctcac ctggaagtct gtattcagga 240
221      tggcttgttt gggcagtgcc aggtgggagt ggggcaggcc cggcccttt tgcaagtcc 300
222      ctccccagtt ctccaacgt tacaagggtg gctccgacaa ctcatgtccc aaggattgtc 360
223      ctggcacgat gacctaccc agtatgtgat ctctcaggag atggagcgca tccccaggct 420
224      tcgccccca gagcccgct caagggacag gtctggcttg gcaccaaga gacctggtcc 480
225      tgctggagag ctgcttttac aggacatccc cactggctcc gccctgctg ccagcatcg 540
226      gcttccacaa ccaccagtgg gcaaagggtg agctggggcc agctcctctc tgtccctct 600
227      gcaggtgag ctgctccgc ctctcttgga gcacctgctg ctgccccac agcctcccca 660
228      cccttactg agttacgaac ctgccttget gcagccctac ctgttccacc agtttggtc 720
229      ccgtgatggc tccagggtct cagagggctc ccagggatg gtcagtgtcg gcccctgcc 780
230      caaggctgaa gccctgccc tcttcagcag aactgcctcc aagggcataa ttggggacca 840
231      ccctggccac tctacgggg accttcagg gccttccact gccagcttt tcaagactc 900
232      tgggtgctc tatctggcc aggagttgcc agcaccagc agggccaggg tgccaaggct 960
233      gccagagcaa gggagcagca gccgggcaga ggactccca gagggctatg agaagggaagg 1020
234      actaggggat cgtggagaga agcctgcttc ccagctgtg cagccagatg cggctctgca 1080
235      gaggtggcc gctgtgctgg cgggctatgg ggtagagctg cgtcagctga cccctgagca 1140
236      gctctccaca ctctgacct tgetgcagct actgccccag ggtgcaggaa gaaatccggg 1200
237      aggggttgta aatgttggag ctgatataa gaaaacaatg gaggggcccg tggagggcag 1260
238      agacacagca gagcttccag ccgcacatc cccatgcct ggacaccca ctgccagccc 1320
239      tacctccagt gaagtccagc aggtgccaag cctgtctcc tctgagcctc ccaaagctgc 1380
240      cagacccct gtgacacctg tctgtctaga gaagaaaagc cactgggccc agagccagcc 1440
241      cacggtggca ggacagccct cagccgccc agcagcagag gaatatggct acatcgtcac 1500
242      tgatcagaag cccctgagcc tggctgcagg agtgaagctg ctggagatcc tggctgagca 1560
243      tgtgcacatg tctcaggca gcttcatcaa catcagtggt gtgggaccag ccctcacctt 1620
244      ccgcatccgg cacaatgagc agaacctgtc tttggctgat gtgaccaaac aagcagggt 1680

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/765,700DATE: 03/07/2005
TIME: 15:34:24Input Set : N:\Crf4\Refhold\10_folder\J765700.raw
Output Set: N:\CRF4\03072005\J765700.raw**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 4607
Seq#:6; N Pos. 1487,1488,1489,1490,1491,1492,1493,1494,1495,1496,1497,1498
Seq#:6; N Pos. 1499,1500,1501,1502,1503,1504,1505,1506,1507,1508,1509,1510
Seq#:6; N Pos. 1511,1512,1513,1514,1515,1516,1517,1518,1519,1520,1521,1522
Seq#:6; N Pos. 1523,1524,1525,1526,1527,1528,1529,1530,1531,1532,1533,1534
Seq#:6; N Pos. 1535
Seq#:7; N Pos. 3488,3489,3490,3491,3492,3493,3494,3495,3496,3497,3498,3499
Seq#:7; N Pos. 3500,3501,3502,3503,3504,3505,3506,3507,3508,3509,3510,3511
Seq#:7; N Pos. 3512,3513,3514,3515,3516,3517,3518,3519,3520,3521,3522,3523
Seq#:7; N Pos. 3524,3525,3526,3527,3528,3529,3530,3531,3532,3533,3534,3535
Seq#:7; N Pos. 3536,3537,3538,3539,3540,3541,3542,3543,3544,3545,3546,3547
Seq#:7; N Pos. 3548,3549,3550,3551,3552,3553,3554,3555,3556,3557,3558,3559
Seq#:7; N Pos. 3560,3561,3562,3563,3564,3565,3566,3567,3568,3569,3570,3571
Seq#:7; N Pos. 3572,3573,3574,3575,3576,3577,3578,3579,3580,3581,3582,3583
Seq#:7; N Pos. 3584,3585,3586,3587,3588,3589,3590,3591,3592,3593,3594,3595
Seq#:7; N Pos. 3596,3597,3598,3599,3600,3601,3602,3603,3604,3605,3606,3607
Seq#:7; N Pos. 3608,3609,3610,3611,3612,3613,3614,3615,3616,3617,3618,3619
Seq#:7; N Pos. 3620,3621,3622,3623,3624,3625,3626,3627,3628,3629,3630,3631
Seq#:7; N Pos. 3632,3633,3634,3635,3636,3637,3638,3639,3640,3641,3642,3643
Seq#:7; N Pos. 3644,3645,3646,3647,3648,3649,3650,3651,3652,3653,3654,3655
Seq#:7; N Pos. 3656,3657,3658,3659,3660,3661,3662,3663,3664,3665,3666,3667
Seq#:7; N Pos. 3668,3669,3670,3671,3672,3673,3674,3675,3676,3677,3678,3679
Seq#:7; N Pos. 3680,3681,3682,3683,3684,3685,3686,3687,3688,3689,3690,3691
Seq#:7; N Pos. 3692,3693,3694,3695,3696,3697,3698,3699,3700,3701,3702,3703
Seq#:7; N Pos. 3704,3705,3706,3707,3708,3709,3710,3711,3712,3713,3714,3715
Seq#:7; N Pos. 3716,3717,3718,3719,3720,3721,3722,3723,3724,3725,3726,3727
Seq#:7; N Pos. 3728,3729,3730,3731,3732,3733,3734,3735,3736,3737,3738,3739
Seq#:7; N Pos. 3740,3741,3742,3743,3744,3745,3746,3747,3748,3749,3750,3751
Seq#:7; N Pos. 3752,3753,3754,3755,3756,3757,3758,3759,3760,3761,3762,3763
Seq#:7; N Pos. 3764,3765,3766,3767,3768,3769,3770,3771,3772,3773,3774,3775
Seq#:7; N Pos. 3776,3777,3778,3779,3780,3781,3782,3783,3784,3785,3786,3787
Seq#:7; N Pos. 3788
Seq#:9; N Pos. 1110
Seq#:10; N Pos. 1636
Seq#:11; N Pos. 299,304,312,347,375,376,377,378,379,380,381,382,383,384,385
Seq#:11; N Pos. 386,387,388,389,390,391,392,393,394,395,401
Seq#:12; N Pos. 3882,3883,3884,3885,3886,3887,3888,3889,3890,3891,3892,3893
Seq#:12; N Pos. 3894,3895,3896,3897,3898,3899,3900,3901,3902,3903,3904,3905
Seq#:12; N Pos. 3906,3907,3908
Seq#:14; N Pos. 5019
Seq#:16; N Pos. 216,3091,3093,3103
Seq#:17; N Pos. 805,810,814
Seq#:18; N Pos. 4,18,23,35,47,56,75,79,96,209,211,212,213,215,216,217,223
Seq#:18; N Pos. 226,244,250,326

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/765,700

DATE: 03/07/2005
TIME: 15:34:24

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw
Output Set: N:\CRF4\03072005\J765700.raw

Seq#:22; N Pos. 6500,6506
Seq#:25; N Pos. 550,551,552,553,554,555,556,557,558,559,560,561,562,563,564
Seq#:25; N Pos. 565,566,567,568,569,570,571,572,573,574,575,576,577,578
Seq#:26; N Pos. 1569,1580
Seq#:27; N Pos. 34,44,53,62,65,72,85,105,132,147
Seq#:31; N Pos. 482,502,3907,3908,3909,3910,3911,3912,3913,3914,3915,3916
Seq#:31; N Pos. 3917,3918,3919,3920,3921,3922,3923,3924,3925,3926,3927,3928

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:18; Line(s) 1178

VERIFICATION SUMMARY

DATE: 03/07/2005

PATENT APPLICATION: US/10/765,700

TIME: 15:34:24

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:4560
 L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:1440
 M:341 Repeated in SeqNo=6
 L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:3480
 M:341 Repeated in SeqNo=7
 L:600 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:1080
 L:667 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:1620
 L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:240
 M:341 Repeated in SeqNo=11
 L:769 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:3840
 M:341 Repeated in SeqNo=12
 L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:4980
 L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:180
 M:341 Repeated in SeqNo=16
 L:1139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:780
 L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
 M:341 Repeated in SeqNo=18
 L:1506 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:6480
 L:1689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:540
 L:1783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:1560
 L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
 M:341 Repeated in SeqNo=27
 L:1991 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:480
 M:341 Repeated in SeqNo=31
 L:2227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:9360
 M:341 Repeated in SeqNo=32
 L:2312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:1740
 M:341 Repeated in SeqNo=33
 L:2379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:1980
 L:2599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
 L:2723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:4740
 L:2817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
 M:341 Repeated in SeqNo=41
 L:3102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:3480
 M:341 Repeated in SeqNo=44
 L:3382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:1200
 M:341 Repeated in SeqNo=46
 L:3501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:300
 L:3590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:3720
 L:4052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:2940
 M:341 Repeated in SeqNo=57
 L:4175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:60
 M:341 Repeated in SeqNo=59
 L:4455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:720
 M:341 Repeated in SeqNo=64
 L:4647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:1500
 L:4699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:1320
 M:341 Repeated in SeqNo=70

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/765,700

DATE: 03/07/2005

TIME: 15:34:24

Input Set : N:\Crf4\Refhold\10_folder\J765700.raw

Output Set: N:\CRF4\03072005\J765700.raw

L:4850 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:1740

L:4929 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:1920